
Appendix B
Missouri Basin Water Problems

JOINT HEARINGS
BEFORE THE
COMMITTEE ON
INTERIOR AND INSULAR AFFAIRS
AND THE
COMMITTEE ON PUBLIC WORKS
UNITED STATES SENATE
EIGHTY-FIFTH CONGRESS
FIRST SESSION
ON
PROBLEMS OF OPERATION OF MULTIPLE-PURPOSE
PROJECTS IN THE MISSOURI BASIN

MAY 1, 2, AND 3, 1957

EXHIBIT A

Missouri River Basin

Subdivisions	H. Doc. 475 plan	S. Doc. 191 plan
	H. Doc. 475 plan and S. Doc. 191 plan compared	
Upper Missouri River Basin.	Units not designated, but those desirable and necessary provided for.	<p>Brenner Reservoir, 15,000 acre-feet. Clark Canyon Reservoir, 150,000 acre-feet. Landon Reservoir, 15,000 acre-feet. Kelly Reservoir, 8,000 acre-feet. Apex Reservoir, 3,000 acre-feet. Terry Reservoir, 10,000 acre-feet. Whitetail Reservoir, 6,000 acre-feet. Taylor Reservoir, 20,000 acre-feet. Bridger Reservoir, 16,000 acre-feet. Canyon Ferry Reservoir, 2,000,000 acre-feet. Wells Reservoir, 2,000 acre-feet. Nilan Reservoir, 10,000 acre-feet. Newland Reservoir, 10,000 acre-feet. Tiher Reservoir, 915,000 acre-feet. Wilson Reservoir, 160,000 acre-feet. Stanford Reservoir, 3,000 acre-feet. Hobson Reservoir, 10,650 acre-feet. Ross Fork Reservoir, 6,700 acre-feet. Snowy Reservoir, 3,000 acre-feet. (For flood control, silt control, power, irrigation of 460,900 acres new lands, 208,700 acres supplemental water.</p>
	H. Doc. 475 plan and S. Doc. 191 plan revised and coordinated by S. Doc. 247, 78th Cong., 2d sess.	
Upper Missouri River Basin.	-----	Adopted because of more detailed study and of no conflict in plans.
	H. Doc. 475 plan and S. Doc. 191 plan compared	
Yellowstone River Basin....	<p>Boysen Reservoir, 3,500,000 acre-feet. Lower Canyon Reservoir, 2,250,000 acre-feet. (Each for flood control, irrigation, navigation, power, and other purposes.)</p>	<p>Boysen Reservoir, 730,000 acre-feet. Mission Reservoir, 890,000 acre-feet. Kane Reservoir, 750,000 acre-feet. Yellowtail Reservoir, 470,000 acre-feet. Raft Lake Reservoir, 41,000 acre-feet. Soral Creek Reservoir, 25,000 acre-feet. Onion Flat Reservoir, 9,000 acre-feet. Badwater Reservoir, 7,500 acre-feet. Oregon Basin Reservoir, 150,000 acre-feet. Anchor Reservoir, 15,000 acre-feet. Lake Solitude Reservoir, 7,000 acre-feet. Red Gulch Reservoir, 13,000 acre-feet. Little Horn Reservoir, 50,000 acre-feet. Antelope Reservoir, 0,000 acre-feet. Sweetgrass Reservoir, 12,000 acre-feet. Hunter Mountain Reservoir, 150,000 acre-feet. Thief Creek Reservoir, 130,000 acre-feet. Sunlight Reservoir, 40,000 acre-feet. South Fork Reservoir, 25,000 acre-feet. Willow Park Reservoir, 9,700 acre-feet. Triangle Park Reservoir, 4,000 acre-feet. Bull Creek Reservoir, 14,000 acre-feet. Lake DeSmet Reservoir, 44,000 acre-feet. Smith Reservoir, 30,000 acre-feet. Middle Fork Reservoir, 50,000 acre-feet. Moorhead Reservoir, 390,000 acre-feet. (For flood control, silt control, power, irrigation of 509,560 acres new lands, 204,500 acres supplemental water.)</p>
	H. Doc. 475 plan and S. Doc. 191 plan revised and coordinated by S. Doc. 247, 78th Cong., 2d sess.	
Yellowstone River Basin....	Rejected-----	Adopted.

Missouri River Basin—Continued

Subdivisions	H. Doc. 475 plan	S. Doc. 191 plan
	H. Doc. 475 plan and S. Doc. 191 plan compared	
Missouri River—Fort Peck to Sioux City.	<p>Fort Peck Reservoir (constructed) to be operated as a multiple-purpose reservoir primarily for irrigation when substitute storage is built on the Missouri River.</p> <p>Oahe Reservoir, 6,000,000 acre-feet.</p> <p>Fort Randall Reservoir, 6,000,000 acre-feet.</p> <p>Garrison Reservoir, 17,000,000 acre-feet.</p> <p>Oak Creek Reservoir, 6,000,000 acre-feet.</p> <p>Gavins Point Reservoir, 200,000 acre-feet.</p> <p>(For flood control, navigation, irrigation, power, domestic and sanitary purposes, wild life, and recreation.)</p>	<p>Fort Peck Reservoir (constructed) to be used primarily for irrigation, also for navigation, flood control, silt control, and power.</p> <p>Oahe Reservoir, 10,700,000 acre-feet.</p> <p>Fort Randall Reservoir, 5,100,000 acre-feet.</p> <p>Big Bend Reservoir, 250,000 acre-feet.</p> <p>Medicine Lake Reservoir, 5,200,000 acre-feet.</p> <p>Crosby Reservoir, 230,900 acre-feet.</p> <p>Shenandoah Reservoir, nonactive capacity.</p> <p>Jamestown Reservoir, 830,000 acre-feet.</p> <p>(For flood control, navigation, irrigation, power, silt control, recreation, municipal.)</p>
	H. Doc. 475 plan and S. Doc. 191 plan revised and coordinated by S. Doc. 347, 78th Cong., 2d sess.	
Missouri River—Fort Peck to Sioux City.	<p>Oahe Reservoir—Rejected.</p> <p>Fort Randall Reservoir—Rejected.</p> <p>Garrison Reservoir—Adopted.</p> <p>Oak Creek Reservoir—Rejected.</p> <p>Gavins Point Reservoir—Adopted.</p>	<p>Oahe Reservoir—Adopted.</p> <p>Fort Randall Reservoir—Adopted.</p> <p>Big Bend Reservoir—Adopted.</p> <p>Medicine Lake Reservoir—Adopted.</p> <p>Crosby Reservoir—Adopted.</p> <p>Shenandoah Reservoir—Adopted.</p> <p>Jamestown Reservoir—Adopted.</p>
	H. Doc. 475 plan and S. Doc. 191 plan compared	
Minor western tributaries...	<p>Units not designated, but those desirable and necessary provided for.</p>	<p>Alzada Reservoir, 70,000 acre-feet.</p> <p>Broncho Reservoir, 50,000 acre-feet.</p> <p>Heart Butte Reservoir, 110,000 acre-feet.</p> <p>Dickinson Reservoir, 7,000 acre-feet.</p> <p>Cannonball Reservoir, 40,600 acre-feet.</p> <p>Thunder Hawk Reservoir, 30,000 acre-feet.</p> <p>Shadhill Reservoir, 134,000 acre-feet.</p> <p>Blue Horse Reservoir, 50,000 acre-feet.</p> <p>Bixby Reservoir, 90,000 acre-feet.</p> <p>Green Grass Reservoir, 90,000 acre-feet.</p> <p>Edgemont Reservoir, 45,000 acre-feet.</p> <p>Agostura Reservoir, 160,000 acre-feet.</p> <p>Keyhole Reservoir, 275,000 acre-feet.</p> <p>Northfork Reservoir, 15,000 acre-feet.</p> <p>Rockyford Reservoir, 70,000 acre-feet.</p> <p>(For flood control, silt control, power, irrigation 212,980 acres new lands, 11,300 acres supplemental water supply, and municipal.)</p>
	H. Doc. 475 plan and S. Doc. 191 plan revised and coordinated by S. Doc. 247, 78th Cong., 2d sess.	
Minor western tributaries...		Adopted because of more detailed study and of no conflict in plans.

Missouri River Basin—Continued

Subdivisions	H. Doc. 475 plan	S. Doc. 191 plan
	H. Doc. 475 plan and S. Doc. 191 plan compared	
Niobrara, Platte, and Kansas Rivers.	<p>Kanopolis Reservoir. Tuttle Creek Reservoir. Harlan County Reservoir.</p> <p>Cherry Creek Reservoir. (All of above authorized 1938 and 1941 flood control acts). Medicine Creek Reservoir. Hale Creek Reservoir. Red Willow Reservoir. Enders Reservoir. Beecher Island Reservoir. (Total capacity 5,650,400 acre-feet for flood control, irrigation, and other purposes.) (Irrigable lands not specified, but for determination by later investigation.)</p>	<p>Kanopolis Reservoir, 432,000 acre-feet. Pioneer Reservoir, 34,000 acre-feet. Harlan County Reservoir, 1,199,000 acre-feet. Bonny Reservoir, 118,000 acre-feet. Wray Reservoir, 7,000 acre-feet. Culbertson Reservoir, 170,000 acre-feet. Medicine Creek Reservoir, 32,000 acre-feet. Harvey Reservoir, 36,000 acre-feet. Norton Reservoir, 16,000 acre-feet. Kirwin Reservoir, 174,000 acre-feet. Webster Reservoir, 165,000 acre-feet. Glan Elder Reservoir, 304,000 acre-feet. Wilson Reservoir, 262,000 acre-feet. Cedar Bluff Reservoir, 272,500 acre-feet. Narrows Reservoir, 660,000 acre-feet. Glendo Reservoir, 150,000 acre-feet. Plum Creek Reservoir, 384,000 acre-feet. Boelus Reservoir, 790,000 acre-feet. Davis Reservoir, 380,500 acre-feet. Dismal Reservoir, 30,000 acre-feet. Erickson Reservoir, 20,000 acre-feet. Loretta Reservoir, 15,000 acre-feet. (For flood control, silt control, irrigation 1,284,060 acres new lands, 21,804 acres supplemental water.)</p>
	H. Doc. 475 plan and S. Doc. 191 plan revised and coordinated by S. Doc. 247, 78th Cong, 2d sess.:	
Niobrara, Platte, and Kansas Rivers.	<p>Hale Reservoir—Rejected. Beecher Island Reservoir—Rejected. Enders Reservoir—Adopted. Except as noted, approved.</p>	<p>Bonny Reservoir—Adopted. Pioneer Reservoir—Adopted. Harvey Reservoir—Rejected. Except as noted, approved.</p>
	H. Doc. 475 plan and S. Doc. 191 plan compared	
Lower Missouri.....	<p>The plans are identical, including 6 reservoirs and a series of levees and appurtenant works: Osceola Reservoir Chillicothe Reservoir Arlington Reservoir South Grand Reservoir Pomme DeTerre Reservoir Richland Reservoir (All above reservoirs authorized by the 1938 Flood Control Act.)</p>	
	H. Doc. 475 plan and S. Doc. 191 plan revised and coordinated by S. Doc. 247, 78th Cong., 2d sess.	
Lower Missouri Basin.....	Adopted because plans identical.	

Notes

Notes to Chapter One — Flood Control Plans

¹National Resources Planning Board (NRPB), *The Problems of a Changing Population* (Government Printing Office, 1938); *Future of the Great Plains and Drainage Basin Problems and Programs* (GPO, 1938 and 1936).

²Address, Secretary of the Interior Harold L. Ickes to National Reclamation Association, September 30, 1943, typeset copy in Joseph C. O'Mahoney Collection, American Heritage Center, University of Wyoming.

³T.A. Larson, *History of Wyoming* (Lincoln, Nebraska: University of Nebraska Press, 1965), 504.

⁴Roy E. Huffman, "War and Post-War Problems of Irrigation Planning in the Northern Plains," *Journal of Land and Public Utility Economics*, 19 (1943), 452-463.

⁵F. Alan Coombs, "The Impact of the New Deal on Wyoming Politics," in John Braeman, editor, *The New Deal: The State and Local Levels* (Columbus: Ohio State University Press, 1975), 205-206.

⁶U.S. Senate, Committee on Commerce, subcommittee hearings on H.R. 3961, Omnibus Rivers and Harbors Bill, 78th Congress, 2d sess., May 11, 1944, 1062.

⁷President Franklin D. Roosevelt, Executive Order, October 20, 1942, to War Production Board and the War Manpower Commission. W.E. Langdon, Chief, Technical Information, MRD, to OCE, January 14, 1944.

⁸Merrill Q. Sharpe, "Eight States and a River," *State Government*, 16 (1943), 221-223.

⁹H.G. Hershey, "History of the Missouri River States Committee," April 15, 1963; and Sharpe, "History of the Missouri River States Committee," *South Dakota Historical Collections*, 22 (1946), 400.

¹⁰MRSC, Minutes of meeting, May 21, 1943.

¹¹National Reclamation Association, Report of the Committee of the National Reclamation Association, Preservation of Integrity of State Water Laws, October, 1943.

¹²U.S. Army Corps of Engineers, Annual Reports of the Chief of Engineers (ARCE), 1934, 842 and 1835, 1013; and House, Committee on

Rivers and Harbors, Hearings on S. 2650, 75th Congress, 3d sess., March 3, 1938.

¹³Rivers and Harbors Act of May 18, 1938, U.S. Statutes at Large, 52, 402, as amended, 16 U.S.C. 833 et seq; and Michael P. Malone, "The Montana New Dealers," in Breaman, *The New Deal*, 240-268.

¹⁴House, Committee on Rivers and Harbors, hearings on S. 2650, 2-4.

¹⁵MRSC, Minutes of meeting, May 21, 1943.

¹⁶*Ibid.*

¹⁷Letter, Maj. Gen. T.M. Robbins, Asst. Chief of Engineers, to Pick, "Progress schedule for . . . flood control and rivers and harbors projects," March 29, 1943, CE, SPEOR.

¹⁸Memorandum, Col. Pick to District Engineers, U.S. Engineer Offices (the four districts: Denver, Fort Peck, MOmaha, Kansas City), April 12, 1943.

¹⁹House, Committee on Flood Control, hearings on H.R. 4485 Flood Control Plans and New Projects, 78th Congress, 1st sess., May 13, 1943, 1.

²⁰Letter, Col. Pick to Missouri Senator Harry S. Truman, May 18, 1943, and Truman's reply May 24.

²¹House, hearings on H.R. 4485, Flood Control, May 13, 1943, 1.

²²*Ibid.*, 19.

²³MRSC, Minutes of meeting, May 21, 1943.

²⁴*Ibid.*

²⁵*Ibid.*

²⁶U.S. Statutes At Large, 49, Sec. 1, 1570, June 22, 1936.

²⁷MRSC, Minutes of meeting, May 21, 1943.

²⁸Hearings on H.R. 4485, June 10, 1943, 395-397.

²⁹*Ibid.*, 370-371.

³⁰*Ibid.*, 285.

³¹Letter, President Roosevelt to Mississippi Representative W.M. Wittington, Chairman, House Flood Control Committee, May 5, 1941, in E.B. Nixon, *Franklin D. Roosevelt and Conservation* (GPO, 1957), 504.

³²Hearings on H.R. 4485, June 10, 1943, 597-599.

³³*Ibid.*, June 13, 1944, 679.

³⁴House, H. Doc. 475, Letter from Chief of Engineers with Report on a Review of Reports on the Missouri River for Flood Control from Sioux City, Iowa to the Mouth," 78th Congress, 2d sess., March 2, 1944.

³⁵"Report on review of reports on the Missouri River Basin," Col. L.A. Pick, Missouri River Division Engineer, to the Chief of Engineers, August 10, 1943, in H. Doc. 475, 17.

³⁶"Report of the Board of Engineers for Rivers and Harbors, Missouri

River to Sioux City," Brig. Gen. John S. Kingman, Senior Member, to Chief of Engineers, August 23, 1943, in H. Doc. 475, 3-5.

³⁷Maj. Gen. Eugene Reybold to Chairman, Committee on Flood Control, in H. Doc. 475, 3-5.

³⁸Letter, E.H. Wiecking, Land Use Coordinator, Department of Agriculture, to Maj. Gen. Thomas M. Robins, Acting Chief of Engineers, November 23, 1943, in H. Doc. 475, 12-13.

³⁹Letter, Leland Olds, Chairman, Federal Power Commission, to Maj. Gen. Reybold, December 14, 1943, in H. Doc. 475, 5-9.

⁴⁰Letter, H.W. Bashore, Commissioner, Bureau of Reclamation, Department of the Interior, to Gen. Reybold, December 17, 1943, in H. Doc. 475, 5-9.

⁴¹Gen. Reybold to Chairman, Committee on Flood Control, in H. Doc. 475, 3-4.

⁴²Letter, Harold D. Smith, Director, Bureau of the Budget, to Secretary of War Henry L. Stimson, February 16, 1944, in H. Doc. 475, vii-ix.

⁴³W.W. Whittington, "Bureaucracy Rides the River," *Nation's Business*, 33 (September 1945), 76, and his address to Mississippi Valley Association, June 28, 1943, *Congressional Record*, 8377-8391.

Notes to Chapter Two — Upper Basin Concerns

¹President's Water Resources Policy Commission, *Water Resources Law* (GPO, 1950), 5-19.

²*U.S. v. Appalachian Electric Power Co.*, *U.S. Statutes at Large*, 311 (1940), 377; and *Oklahoma v. Atkinson*, *ibid*, 313 (1941), 508. Also see "New Water Laws Needed for the West," *Reclamation Era*, 30 (1940), 18.

³*Water Resources Law*, 181-246.

⁴House Committee on Flood Control, hearings on H.R. 4485, *Flood Control Plans and New Projects*, 78th Congress, 2d sess., February 1-23, 1944, vol. 2, 18.

⁵Resolution, Western Governors Conference, April 10, 1943.

⁶National Reclamation Association (NRA), "Report and Recommendations of the Committee on Preservation of Integrity of State Water Laws," October 27, 1943.

⁷*Ibid.*, 141-143.

⁸House, House Documents 214 and 821, Missouri River, Sioux City to Mouth, 76th Congress, 1st and 3rd sess., 1939 and 1940; and American Society of Civil Engineers TRANSACTIONS, vol. 104 (1939), 672.

⁹Letter, Governor Lester C. Hunt to Senator Joseph C. O'Mahoney, January 19, 1944, in the Joseph Christopher O'Mahoney Collection, Ameri-

can Heritage Center, The University of Wyoming, Laramie, Wyoming.

¹⁰Letter, F.O. Hagie, Secretaru-Manager, National Reclamation Association, to Sen. O'Mahoney, Jan. 28, 1944, in O'Mahoney Collection.

¹¹"Report to members of the Yellowstone Basin Association," by H.W. Bunston, undated; and, House, Committee on Rivers and Harbors, hearings on H.R. 3961, 78th Congress, 2d sess., Feb. 17, 1944.

¹²Letter, President Franklin D. Roosevelt to Texas Represenative Joseph J. Mansfield, Chairman, House Rivers and Harbors Committee, February 7, 1944.

¹³Bunston, "Report to members of the Yellowstone Basin Association."

¹⁴House, Committee on Rivers and Harbors, hearings on Amendment to the Missouri River Provisions in H.R. 3961, 78th Congress, 2d sess., Feb. 18, 1944, 3.

¹⁵*Ibid.*, 35. "Cubic feet per second" is an engineer's term used to define the movement of a cube of water one foot in all dimensions moving a distance of one foot in one second.

¹⁶*Ibid.*, 45.

¹⁷House, Report 1000, *Missouri River*, Describing H. Doc. 214, 76th Congress, 1st sess., 1939, 78th Congress, 2d sess., 1944.

¹⁸Memorandum, Clifford H. Stone, "Conflict Between Uses of Water for Navigation and Irrigation," National Reclamation Association Bulletin, April 7, 1944.

¹⁹*Congressional Record* (C.R.), 78th Congress, 2d sess., 1944, 2857.

²⁰*Ibid.*, 2846.

²¹*Ibid.*, 2928.

²²House, Committee on Flood Control, hearings on H.R. 4485; and memorandums, Col. G. R. Goethals, U.S. Army Corps of Engineers, Feb. 16 and 17, 1944, CE, SPEWF.

²³*Ibid.*, 974-975.

²⁴*Ibid.*, 978.

²⁵*Ibid.*, 1061-1065.

²⁶*Ibid.*, 994-998; and "Report to the Chamber of Commerce, Kansas City, Missouri," in letter from Mayor Gage to Missouri Senator H.S. Truman, March 6, 1944, in Truman Senatorial Files, H.S. Truman Library (HSTL).

²⁷House, Committee on Flood Control, hearings on H.R. 4485, 969-970.

²⁸Statement of Bunston to *ibid.*, 1027.

²⁹Missouri River States Committee (MRSC), Minutes of meeting, March 13 and 14, 1944, MRSC files, Omaha, Nebraska.

³⁰House, Flood Control Committee, House Report 1309, *Flood Control Plans and New Projects*, H.R. 4485, 78th Congress, 2d sess., 1944.

³¹Bunston, "Report to Members of the Yellowstone Basin Association."

³²Memorandum, S. Raushenbush, Chief, Branch of Economics and Statistics, Department of the Interior, to Commissioner, Bureau of Reclamation, April 1944, copy sent to Senator O'Mahoney, April 19, 1944.

³³An acre includes 45,560 square feet. To convert cfs to acre-feet, the square feet in an acre is divided into the total seconds. The Bureau used 1.5 acre-feet per irrigated acre as the consumptive-use formula.

³⁴Letter, Lachlan Macleay, President, Mississippi Valley Association, to George Catts, Chamber of Commerce, Kansas City, Missouri, April 13, 1944, in Truman Senatorial Filce, HSTL.

³⁵Letter, Macleay to Don O. McBride, Director, Division of Water Resources, Oklahoma Planning and Resources, Oklahoma City, Oklahoma, April 13, 1944, in O'Mahoney Collection.

³⁶Letter, McBride to Macleay, April 20, 1944, in O'Mahoney Collection.

³⁷*U.S. Statutes At Large*, 52, Flood Control Act of June 28, 1938, paragraph 4(b), 1215, 1219.

³⁸Clifford Stone, Report on H.R. 4485, in National Reclamation Association Bulletin, May 3, 1944.

³⁹Congressional Record, 78th Congress, 2d sess., 1944, 4212.

⁴⁰*Ibid.*, 4216.

⁴¹Illinois Representative Everett M. Dirksen, "Public Works Planning as Aid to Overall Postwar Employment," *Civil Engineering* (November 1944), 466.

⁴²Peter Schuck, "Public Interest Groups and the Policy Process," *Public Administration Review*, 37 (1977), 132-140; and Michael Nelson, "How to Break the Ties that Bind Congress," *Washington Monthly* (1976), 14-18

⁴³Statement, W.E. Welsh, Watermaster, Boise River, Idaho, to U.S. Senate Committee on Irrigation and Reclamation, hearings on S.555, a bill to establish a Missouri Valley Authority, 79th Congress, 1st sess., 1945.

⁴⁴Statement, J.H. Toelle, Professor of mining and irrigation law, Montana State University, Missoula, Montana, to *ibid.*, September 25, 1944, 507.

⁴⁵Memorandum, Stone, "Conflict Between Uses of Water for Navigation and Irrigation," National Reclamation Association Bulletin, April 7, 1944, 3.

Notes for Chapter Three — The Sloan and Pick Plans

¹Senate Document 191, *Missouri River Basin; Conservation, Control, and Use of Water Resources*, 78th Congress, 2d sess., April, 1944.

²"W.G. Sloan, co-author of the Missouri River Basin Plan," *Reclamation Era*, 37 (1951), 70-71; *New York Times*, September 18, 1949; Bismarck, North Dakota Tribune, December 14, 1950.

³*U.S. Statutes at Large*, 53 (August 4, 1939), 1187, 1193-1194; and House, Committee on Irrigation and Reclamation, hearings on H.R. 6773 and H.R. 6984, 76th Congress, 1st sess., 1939.

⁴Remarks, W.E. Warne, Assistant Commissioner of Reclamation, before Senate Committee on Irrigation and Reclamation, subcommittee hearings on S. 1915, September 26, 1944.

⁵S. 191, 11, 18, 155.

⁶*Ibid.*, 28-54. Percentages are the author's derived from the report data.

⁷*Ibid.*, 55-67.

⁸*Ibid.*, 68-78.

⁹*Ibid.*, 80-96.

¹⁰*Ibid.*, 96-118.

¹¹Harry Bashore, Commissioner, Bureau of Reclamation, "Regional Development of the Missouri Basin: A Multiple-Purpose Plan by the Bureau of Reclamation," *Civil Engineering* (November 1944), 461-464.

¹²*Engineering News-Record* (May 25, 1944), 1.

¹³Board of Review's Report to the Commissioner, E.B. Degler, chairman, Director of Branch of Project Planning, Denver, Colorado, April 26, 1944, in S.191, 10-16.

¹⁴Letter, Albert Day, Acting Director, U.S. Fish and Wildlife Service, Department of the Interior, to H. W. Bashore, May 6, 1944, in S.191, 9.

¹⁵Letter, William Zimmerman, Jr., Assistant Commissioner, Office of Indian Affairs, Department of the Interior, to Bashore, April 26, 1944, in S.191, 5-6.

¹⁶Letter, Maj. Gen. E. Reybold, Chief of Engineers, War Department, to Bashore, April 25, 1944, in S.191, 6-8.

¹⁷Letter, E.H. Weicking, Land Use Coordinator, Department of Agriculture, April 25, 1944, in S.191, 8-9.

¹⁸Letter, Bashore to Harold L. Ickes, Secretary of the Interior, Department of the Interior, April 28, 1944, in S.191, 2-4.

¹⁹Letter, Ickes to the President through the Bureau of the Budget, May 1, 1944, in S.191, 1-2.

²⁰Letter, Harold Smith, Director, Bureau of the Budget, Executive Office of the President, to Ickes, May 4, 1944, in S.191, 1.

²¹Senate Committee on Commerce, subcommittee hearings on H.R. 3961, *Omnibus Rivers and Harbors Bill*, Part 6, 78th Congress, 2d sess., May 10-18, 1944, 1163-1180.

²²*Ibid.*, 1179-1180.

²³Handwritten notes, Senator Joseph O'Mahoney, in the Joseph Christopher O'Mahoney Collection, American Heritage Center, The University of Wyoming, Laramie, Wyoming.

²⁴Draft legislation with handwritten notes in O'Mahoney Collection.

²⁵Memorandum regarding O'Mahoney amendment from Senator John Overton to Senator Carl A. Hatch, May 25, 1944, in O'Mahoney Collection.

²⁶*Ibid.*

²⁷Senate Committee on Commerce, Senate Report 903 to Accompany H.R. 3961, 78th Congress, 2d sess., 1944, including minority views of Senator Edward V. Robertson.

²⁸*Ibid.*, Part 2, minority views of Senator Robertson.

²⁹Senate Committee on Commerce, subcommittee hearings on H.R. 4485, *Flood Control Plans and New Projects*, 78th Congress, 2d sess., June 9, 1944, 535-537.

³⁰H.R. 4485 and House Report 1309, *Flood Control Plans and New Projects*, 78th Congress, 2d sess., March 29, 1944. Also Report on H.R. 4485, in *National Reclamation Bulletin*, May 3, 1944.

³¹Draft amendments to H.R. 4485 with handwritten notes, June 17, 1944, in O'Mahoney Collection.

³²Letter, President Franklin Roosevelt to Senator Overton, June 13, 1944, reprinted in *Congressional Record*, June 21, 1944, 6453.

³³Senate Committee on Commerce, Report 1030 to Accompany H.R. 4485, 78th Congress, 2d sess., 1944.

³⁴Letter, President Roosevelt to Senator Overton, August 7, 1944.

³⁵Missouri River States Committee (MRSC), *Report of The Engineering Subcommittee*, May 25, 1944.

³⁶MRSC, Minutes of meeting, August 5 and 6, 1944.

³⁷Letter, Clifford Stone, Director, Colorado Water Conservation Board, to Loran Bishop, Wyoming State Engineer, August 18, 1944, in O'Mahoney Collection.

³⁸Letter, Senator O'Mahoney to Stone, August 22, 1944, in O'Mahoney Collection.

³⁹Senate, S.2089, a bill to establish a Missouri Valley Authority, 78th Congress, 2d sess., August 18, 1944.

⁴⁰Senate, S.2100, a bill to establish a Missouri Valley Authority, 78th Congress, 2d sess., August 23, 1944.

⁴¹National Reclamation Association *Bulletin*, August 23, 1944.

⁴²Resolutions, Water Conservation Conference, September 7 & 8, 1944, with notes and markups, copies in O'Mahoney Collection.

⁴³*Congressional Record* (C.R.), 78th Congress, 2d sess., August 22, 1944.

⁴⁴Message, President Roosevelt to Congress, September 21, 1944, in Edgar B. Nixon, editor, *Franklin D. Roosevelt and Conservation*, 1911-1945 (GPO, 1957), vol. 2, 594-596.

⁴⁵Senate, Committee on Irrigation and Reclamation, subcommittee hearings on S.1915, *Conservation, Control, and Use of Water Resources, Missouri River Basin*, 78th Congress, 2d sess., Sept. 26 and Oct. 2, 1944.

⁴⁶Letter, Secretary of the Interior Ickes to Alabama Senator John H. Bankhead II, chairman, Committee on Irrigation and Reclamation, September 26, 1944, in O'Mahoney Collection.

⁴⁷Subcommittee hearings on S. 1915, 479-484.

⁴⁸*Joint Report, Representatives, Bureau of Reclamation and Corps of Engineers on Plans for Development of the Missouri River Basin*, October 17, 1944, in S. 247, 78th Congress, 2d sess., November 21, 1944, 5-6.

⁴⁹Senate, Committee on Irrigation and Reclamation, subcommittee hearings on S.555, a bill to establish a Missouri Valley Authority, 79th Congress, 1st sess., September 25, 1945, 530-531.

⁵⁰S.247 with transmittal letter by Harry Bashore, Commissioner, Bureau of Reclamation, and Maj. Gen. Eugene Reybold, Chief of Engineers, to the Secretaries of War and of the Interior, October 25, 1944, 1-5.

⁵¹*Congressional Record*, 78th Congress, 2d sess., November 21, 1944.

⁵²Message, President Roosevelt to the Congress, H.Doc. 784, Reconciliation Report on Problems of the Missouri Valley Project, 78th Congress, 2d sess., November 27, 1944.

⁵³Letter, President Roosevelt to Speaker of the House of Representatives Sam Rayburn, November 27, 1944, in Nixon, *Roosevelt and Conservation*, vol. 2, 613-614.

⁵⁴*Congressional Record*, 78th Congress, 2d sess., November 27, 1944, 8419-8420.

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⁴⁴Letter from South Dakota Senator Tom Daschle, et al., to President Bill Clinton, March 15, 1993.

⁴⁵MRD, News Release, March 29, 1993.

⁴⁶John R. Ferrell, *Agricultural Legacies* (Pierre, South Dakota: State Press of South Dakota, 1986).

⁴⁷MRD, *Missouri River Bank Stabilization and Navigation Project, Final Feasibility Report and Final Environmental Impact Statement For The Fish and Wildlife Mitigation Plan*, 1981.

⁴⁸Endangered Species Act of 1973 (Public Law 96-159, December 28, 1979; and Amendments of 1978 (Public Law 95-632), November 10, 1978; and Amendments of 1982 (Public Law 93-305), October 13, 1982.

⁴⁹L.W. Hesse and J.C. Schmulbach, "The Missouri River: The Great Plains' Thread of Life," *Boundaries Carved In Water*, vol. 6 (April

1991).

⁵⁰Letter from Joel A. Medlin, Field Supervisor, North and South Dakota, U.S. Fish and Wildlife Service, Department of the Interior, to D.J. Sveum, Chief, Reservoir Control Center, MRD, November 6, 1991.

⁵¹MRD, *Annual Operating Plan*, 1991-1992 (December 1991), 85.

⁵²Letter, Medlin to Sveum, November 6, 1991.

⁵³Plaintiff, *State of Missouri v. Col. S.H. Bornhoft, et al.*, U.S. District Court, Kansas City, Missouri, May 11, 1992.

⁵⁴*Winters V. U.S.*, 207 U.S. 454 (1908). Also see Karen Lewotsky, "Indian Reserved Water Rights," *Boundaries Carved in Water*, vol. 8 (April 1988).

⁵⁵Mni Sose Intertribal Water Rights Coalition, Minutes of meeting, January 7-8, 1993.

⁵⁶Montana Reserved Water Rights Compact Commission, *The Fort Peck-Montana Compact*, Montana Code Annotated, 85-20-201 (1987), signed May 15, 1985.

⁵⁷Senate Select Committee on Indian Affairs, *Final Report and Legislative Recommendations*, 101st Congress, 1st sess., November 20, 1989.

⁵⁸Select Committee on Indian Affairs, Hearings on *Indian Water Policy*, Senate Hearing 101-142, April 6, 1989, 28-32, 45-48, 153-160, 213.

⁵⁹Letter from New Mexico Senator Dennis DeConcini, Chairman, et al., Senate Select Committee on Indian Affairs, Special Committee on Investigations, to President George H.W. Bush, February 23, 1989.

⁶⁰Mni Sose Intertribal Water Rights Coalition, Minutes of meeting, January 7-8, 1993.

⁶¹Missouri River Basin Association, *The Missouri River Report*, April 1993.

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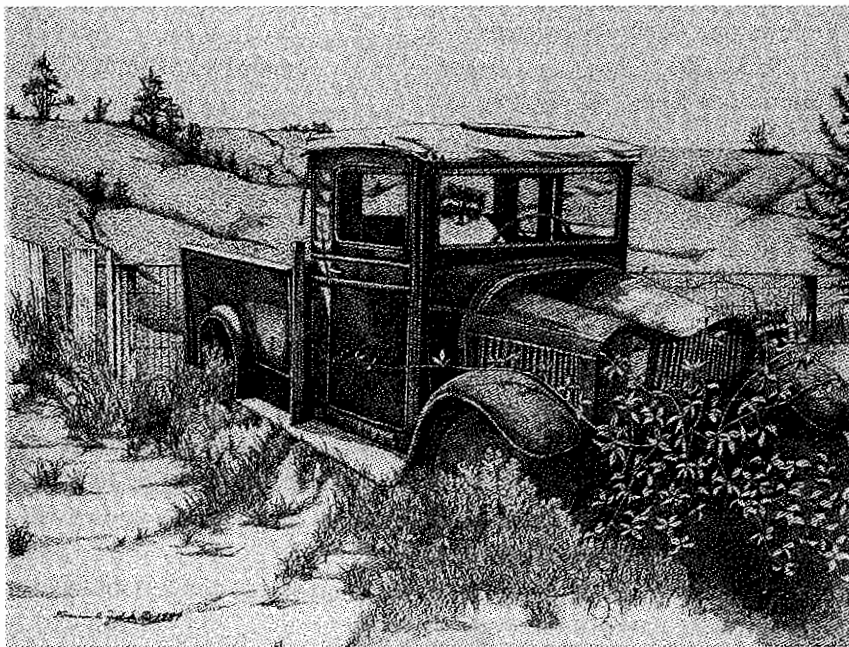
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